

ENCODING APPARATUS AND METHOD OF SAME AND DECODING

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ABSTRACT OF THE DISCLOSURE

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Encoding and decoding systems for MPEG encoding and decoding at a high speed using a parallel processing system, wherein macroblocks to be processed are designated for first to third processors which are made to carry out all processings of encoding, variable length coding, and local decoding of those macroblocks; the variable length coding is carried out after confirming that the variable length coding with respect to the previous macroblock is ended; the variable length coding which was normally sequentially carried out at a specific processor is carried out at all of the processors; and the encoding and local decoding are carried out at all of the processors; whereby the loads are dispersed, the efficiency is improved as a whole, and the processing speed becomes fast.

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